

Science with Wavelengths on Human Scales

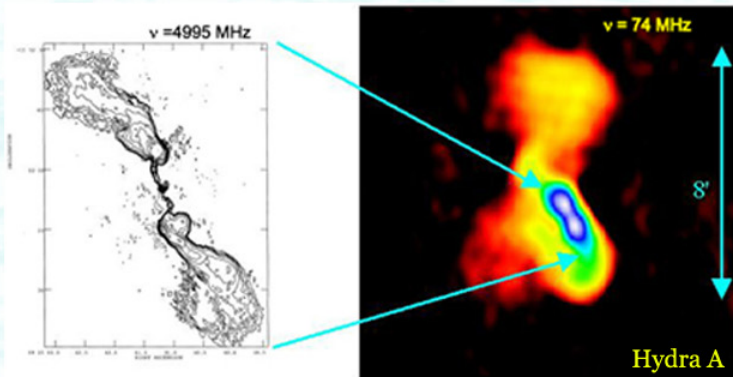
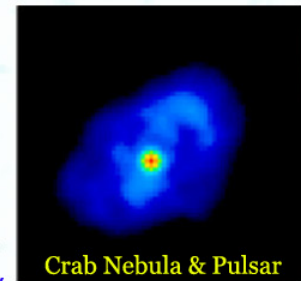
A Celebration of Bill Erickson & Low Frequency Radio Science

Scientific and Technical Workshop

8-11 September 2004

Santa Fe, New Mexico

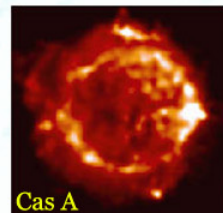
<http://lwa.nrl.navy.mil/WCE/>



The Southwest Consortium will hold a scientific and technical workshop to honor Dr. William Erickson, a pioneering astronomer who has spent much of his career advancing long-wavelength (30-3 m) radio science. Topics will include future directions of long-wavelength radio astronomy, solar and space weather studies, and ionospheric/magnetospheric science. An important goal of the meeting is to build on Bill's inspiration and to develop our plans for a Long Wavelength Array (LWA) in the U.S. southwest, and to understand how it relates to other planned instruments in the region.

Organizing Committee

Neb Duric
Miller Goss
Trish Henning
Bill Junor
Namir Kassim
Ken Kellermann
Joseph Lazio
Frazer Owen
Mario Perez
Rick Perley



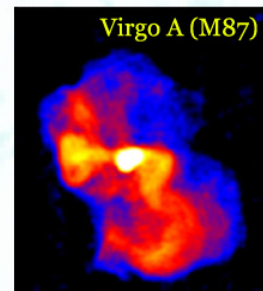
Scientific Topics

- The Universe at long wave lengths, from high redshifts to Earth's ionosphere
- Radio galaxies and clusters
- Acceleration, turbulence, & propagation in the ISM including Galactic cosmic rays
- Transients including exoplanets and high energy cosmic rays
- Pulsars, supernova remnants, and HII regions
- Solar, planetary, space weather, and ionospheric science

Technical Topics

- Past and current long-wavelength arrays
- Scientifically driven technical requirements for future long-wavelength arrays
- Calibration of long-wavelength arrays
- Cost and performance impact of new technology on array hardware
- Defining a technical roadmap towards the Long Wavelength Array (LWA)
- Synergy with other planned instruments, e.g. FASR, EVLA, LOFAR, SKA

Key Dates: Pre-registration now open.
Abstracts for contributed papers due August 1



Questions or comments may be sent to:
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